

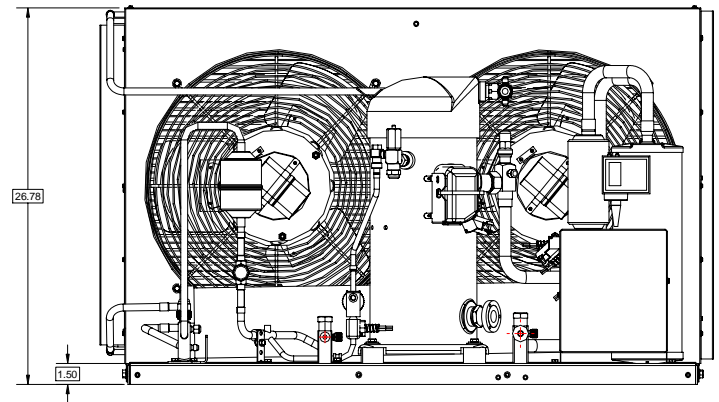
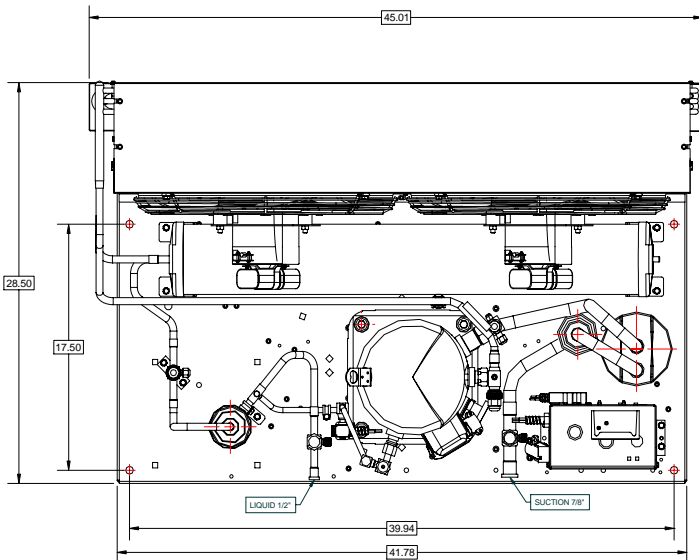
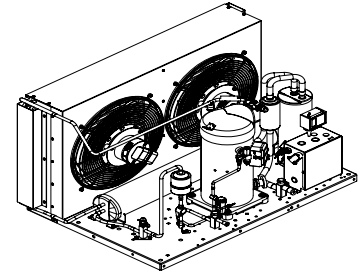


TECUMSEH HERMETIC CONDENSING UNIT

VSAG529ZXTXM
TPC preliminary
October 14, 2011

Model VSAG529ZXTXM
BOM 32T7242-2

Air Cooled 7 1/4 HP
Application Low Temp
Refrigerant R404A



VSAG529ZXTXM	Dimensions (inch)*			Line connections		Pumpdown	Air flow	Oil Ch.	Gross weight
	L	W	H	Suction	Liquid	90% @ 90°F	SCFM	Oz	Lbs.
	28.50	44.97	26.78	7/8 Sweat	1/2 Sweat	37.69	4200	24	400

*) Mounting Holes, 17.50 x 39.94

Factory charge 20 psig dry air, **MUST BE EVACUATED**

Evaporator		Ambient Temperatures															
		80°F				90°F				100°F				110°F			
T, °F	PSIG	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T
-40	5.5	14200	4550	202	90	13000	5000	234	99	12400	5570	269	109	10900	6240	307	119
-35	8.0	16200	4700	207	91	14700	5130	238	101	13900	5690	273	110	12200	6330	310	120
-30	10.7	18500	4850	212	93	16800	5270	242	102	15700	5810	277	111	13800	6440	313	120
-25	14.0	21000	5010	216	94	19000	5420	247	103	17700	5950	281	112	15600	6570	317	121
-20	17.1	23700	5180	222	96	21400	5590	252	105	19900	6110	286	114	17700	6710	321	122
-15	19.3	26600	5370	227	97	24100	5770	257	106	22300	6280	291	115	19900	6870	326	124
-10	24.5	29600	5570	233	99	26800	5960	262	108	24900	6470	296	116	22200	7050	331	125
-5	28.8	32800	5780	238	101	29700	6170	268	109	27600	6680	302	118	24700	7250	337	126
0	33.5	36100	6010	245	103	32800	6410	274	111	30400	6910	308	119	27300	7470	343	127
5	36.5	39400	6260	251	104	35900	6660	281	112	33200	7160	315	121	30000	7720	350	129
10	43.7	42900	6530	257	106	39000	6930	288	114	36100	7430	322	122	32700	7990	357	130

Performance @ 60 Hz, Return gas 40°F, SubCooling 5°F

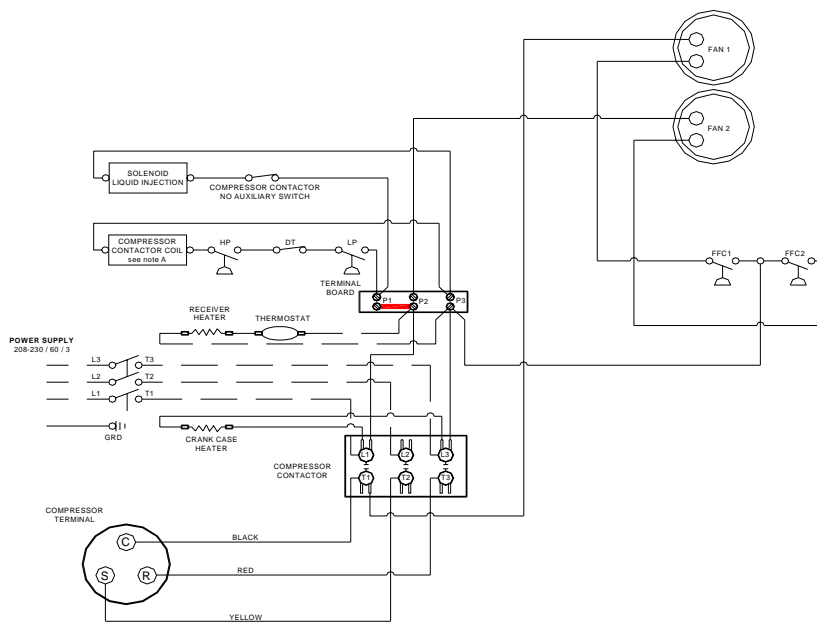
PRELIMINARY PERFORMANCE DATA

Parts/Specifications

Unit BOM	32T7242-2	Fan Motor	810S186B40
Unit MODEL	VSAG529ZXTXM	Fan Motor Qty	2
		Fan Motor RLA	1.9
Refrigeration RANGE	-40°F to 10°F	Fan Blade	51528-3
Design Pressure Low	181	Fan Guard	70832
Design Pressure High	450	Shroud	70611-1
Volts - HZ - Ph	200-230V 3~ 60HZ		
Voltage Range	180 - 253	High Pressure switch	84095-2
Min. Circuit Ampacity	26.16	Low Pressure Control	84026-2
Max. Fuse Size	45	Dual Pressure Control	
Compressor MODEL	VSAG523ZXT	Condenser	50777-6
Compressor BOM	VS120RT-006-A4	Head Master Valve	
Compressor LRA	156.1	Check Valve	
Compressor RLA	17.88	Process Valve	
		Liquid Valve	
OverLoad	INTERNAL	Suction Valve	31529-2
Relay			
Run Capacitor		Receiver	51084
Run Capacitor Rating		Receiver Qty	1
Start Capacitor		Accumulator	TK00044000
Start Capacitor Rating		Liquid Filter	52000-164D
Contactor	91014B	Sight Glass	70084-2
		Suction Filter	70822-5S
Unit Drawing	DGU1950-14		
Wiring Diagram	WD23-2FL	CrankCase Heater	

IMPORTANT:

COMPRESSOR EQUIPPED WITH AN INTERNAL OVERLOAD PROTECTOR. ALLOW TIME FOR RESET.
 USE COPPER CONDUCTORS ONLY.
 (EMPLOYER DES CONDUCTEURS DE CUIVRE SEULEMENT.)



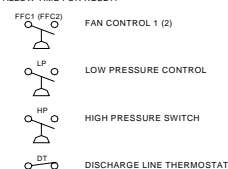
NOTES

FIELD WIRING NOTES

- ALL FIELD WIRING MUST BE DONE IN COMPLIANCE WITH ALL APPLICABLE LOCAL AND NATIONAL CODES.
- CONNECT INCOMING POWER LEADS FROM POWER SUPPLY TO L1, L2, AND L3 IN COMPRESSOR CONTACTOR OR TO L1, L2 AND L3 IN DISCONNECT SWITCH (IF PROVIDED). USE COPPER CONDUCTORS ONLY. (EMPLOYER DES CONDUCTEURS DE CUIVRE SEULEMENT.) PROVIDE EQUIPMENT GROUNDING CONDUCTOR. USE 75°C (MIN.) WIRING.
- IF REQUIRED INSTALL SYSTEM REMOTE CONTROL BETWEEN P1 AND P2 IN TERMINAL BLOCK AND REMOVE THE JUMPER

GENERAL NOTES:

- CONTACTOR COIL CIRCUIT IS FACTORY CONNECTED TO 230 V SOURCE IN PANEL AS SHOWN.
- COMPRESSOR EQUIPPED WITH AN INTERNAL OVERLOAD PROTECTOR. ALLOW TIME FOR RESET.



- FACTORY COMPONENTS
- OPTIONAL FACTORY COMPONENTS
- OPTIONAL FIELD COMPONENTS

CONDENSING UNIT WIRING, 230V 60Hz 3 Ph, Liquid Injection Solenoid, Fan control,

REL DEC 21, 2010
 REVISION WD23-2FL